



**Tripp Lite**  
1111 West 35th Street  
Chicago, IL 60609 USA  
Telephone: +(773) 869 1234  
E-mail: [saleshelp@tripplite.com](mailto:saleshelp@tripplite.com)

## Model #: SMART1500RM2U

### SmartPro Rack/Tower UPS - Intelligent, line-interactive network power management system

#### Highlights

- 1500VA / 1.5kVA line interactive 2U rack / tower UPS
- Maintains sine-wave 120V nominal output over an input range of 83 to 147V
- Network communications supported via USB port, serial port, SNMP/Web card slot and EPO interface
- Current monitoring and switched PDU control via 2 two-outlet load banks
- Input: NEMA 5-15P (120V 15A) / Output: 8 NEMA 5-15R (120V)
- 2 year product warranty / \$250,000 [Ultimate Lifetime Insurance](#) (USA, Puerto Rico & Canada only)



#### Description

Tripp Lite's SMART 1500RM2U intelligent, line-interactive sine wave rack/tower uninterruptible power supply prevents data loss, downtime and equipment damage due to power outages, voltage fluctuations and transient surges. Requires only two rack spaces (2U) in a standard rack enclosure. Large internal batteries offer 19 minutes half load runtime and 7 minutes at full load. Maintains regulated 120V nominal output without using battery power during brownouts and overvoltages from 83 to 147V. 1500VA/1000 watt power handling capability and full time sine wave output supports networking, telecom and other sensitive electronic applications. Includes a total of 8 outlets arranged in 2 load banks that are individually controllable by a software interface to reboot select equipment on demand or shed less significant loads to extend battery runtime for more critical equipment. Supports simultaneous remote monitoring of UPS and site power conditions via built-in USB and DB9 monitoring ports. Optional SNMPWEBCARD accessory enables remote monitoring of UPS as a managed device via network management console applications. Communications ports support messaging of detailed UPS operational parameters and line power status. Includes PowerAlert UPS monitoring and unattended shutdown software with management support for an unlimited number of network UPS systems. Built-in accessory slot supports SNMP with optional SNMPWEBCARD adapter. Emergency Power Off (EPO) interface offers option for instantaneous power-off of UPS and connected equipment in the case of fire or emergency. Multi-function audible alarms and set of 5 front panel LEDs offer at-a-glance notification of UPS and line power status. Network-grade AC surge suppression protects equipment from damage and performance problems resulting from transient surges and line noise. Attractive all-black color scheme. Two year warranty with \$250,000 [connected equipment insurance](#) (USA & Canada only).

#### Package Includes

- SMART 1500RM2U UPS System
- Mounting hardware for 4 post rackmount installation
- Cabling for USB & DB9 monitoring and EPO switching
- PowerAlert unattended shutdown and UPS/Power monitoring software
- Warranty information and instruction manual

#### Features

- SMART 1500RM2U line-interactive UPS offers battery derived sine wave AC output during power outages, voltage regulation during brownouts and overvoltages, plus network grade AC surge suppression
- 1500VA/1000 watt power handling ability and full time sine wave output offers guaranteed compatibility with properly sized networking, telecom and other sensitive electronic devices
- Supports 2U rackmount installation in 4 post rack enclosures with included mounting accessories, 2 post mountable with optional

2POSTRMKITWM accessory, upright tower installation supported with optional 2-9USTAND accessory

- Large internal batteries offer runtimes of 19 minutes at half load (750VA/500 watts) and 7 minutes at full load (1500VA/1000 watts)
- Maintains regulated 120V nominal output during brownouts and overvoltages from 83 to 147V
- Includes 8 UPS-supported outlets arranged in 2 individually controllable load banks (2 outlets per bank)
- PowerAlert UPS monitoring and unattended shutdown software enables configurable network broadcast messaging, email notification, event logging and running user-defined script commands
- Offers simultaneous monitoring by up to 3 directly-connected devices through included USB, DB9 and SNMP\* interfaces (\*requires optional SNMPWEBCARD), or the monitoring of any number of additional UPS systems over IP with included PowerAlert monitoring software.
- Communications ports support messaging of UPS and line power status, including on battery, low-battery, power restored, AC line voltage, DC battery voltage and remaining battery capacity
- Supports timed inverter shutoff after unattended shutdown, activate self-test and UPS output power control for a delayed or immediate reboot of connected devices
- Supports Tripp Lite's WatchDog software application to restore unresponsive programs by systematically restarting applications, operating systems and ultimately rebooting completely locked computers by momentarily switching UPS power off and back on again (requires optional WATCHDOGSW)
- Built-in accessory slot supports SNMP with optional SNMPWEBCARD adapter
- Emergency Power Off (EPO) interface with cable
- Multi-function audible alarms and set of 5 front panel LEDs
- Network-grade AC surge suppression
- Attractive all-black color scheme
- UPS battery set ships fully assembled and ready for installation, no time consuming connection of internal batteries by user is necessary
- Two year warranty with \$250,000 [connected equipment insurance](#) (USA & Canada only)

## Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	1500
Output kVA capacity (kVA)	1.5
Output Watt Capacity (watts)	1000
Output kW capacity	1
Output power factor	0.7
Nominal Output Voltage(s) Supported	120V
Frequency compatibility	60 Hz
Output voltage regulation (line mode)	-21%, +8%
Output voltage regulation (Battery mode)	+/- 5%
Built-in UPS output receptacles	8 5-15R outlet(s)
Built-in controllable switched load banks	Two switchable two-outlet 5-15R load banks
Basic PDU options	<a href="#">PDU1215</a> (1U / 13 5-15R outlets); <a href="#">PDUNV</a> (1U / 2 C19, 12 C13 outlets); <a href="#">PDU1415</a> (0U / 14 5-15R outlets); <a href="#">PDUV15</a> (0U / 12 5-15R outlets)
Metered PDU options	<a href="#">PDU1215</a> (1U / 13 5-15R outlets); <a href="#">PDU1215AT</a> (1U / 8 5-15R outlets)*; <a href="#">PDU1415</a> (0U / 16 5-15R outlets)
Switched PDU options	<a href="#">PDU1215ATNET</a> (1U / 8 5-15R outlets)*; <a href="#">PDU1415NET</a> (0U / 16 5-15R outlets)
External PDU redundancy options	*Auto Transfer Switch features utilizing the secondary PDU input cord are compatible with Smart Online UPS models only

Output AC waveform (AC mode)	Sine wave
Output AC waveform (battery mode)	Sine wave
<b>INPUT</b>	
Rated input current (at maximum load)	10.4A
Nominal Input Voltage(s) Supported	120V AC
UPS input connection type	5-15P
Input circuit breaker	15A
UPS Input cord length (ft.)	10
UPS Input cord length (m)	3
Recommended Electrical Service	15A 120V
<b>BATTERY</b>	
Full load runtime (minutes)	7 min. (1000w)
Half load runtime (minutes)	19 min. (500w)
DC system voltage (VDC)	36
Battery recharge rate (included batteries)	Less than 4.5 hours from 10% to 90%
Replacement battery cartridge (internal UPS battery replacement)	<a href="#">RBC93-2U</a>
Battery Access	Front panel battery access door
Battery replacement description	Hot-swappable, user replaceable batteries
<b>VOLTAGE REGULATION</b>	
Voltage regulation description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 83 to 147
Overvoltage correction	Input voltages between 128 and 147 are reduced by 12%
Undervoltage correction	Input voltages between 83 and 107 are boosted by 14%
<b>LEDS ALARMS &amp; SWITCHES</b>	
LED Indicators	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status
Alarms	Audible alarm indicates power-failure, overload and low-battery conditions
Alarm cancel operation	Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation
<b>SURGE / NOISE SUPPRESSION</b>	

UPS AC suppression joule rating	570
UPS AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes
<b>PHYSICAL</b>	
Installation form factors supported with included accessories	4 post 19 inch rackmount (mounting rail kit included)
Installation form factors supported with optional accessories	2 post rackmount (2POSTRMKITWM); Wallmount (2POSTRMKITWM); Tower (2-9USTAND)
Primary form factor	Rackmount
UPS / Power Module dimensions in primary form factor (height x width x depth / inches)	3.5 x 17.5 x 13.5
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	8.9 x 44.4 x 34.3
Installed whole system total rack space height (rack spaces)	2U
Secondary form factor	Tower (requires <a href="#">2-9USTAND</a> )
Installed whole system dimensions in secondary form factor (height x width x depth / inches)	17.5 x 3.5 x 13.5
UPS dimensions in secondary form factor (height x width x depth / cm)	44.4 x 8.9 x 34.3
UPS / Power Module weight (lbs)	46
UPS / Power Module weight (kg)	20.9
UPS Shipping dimensions (height x width x depth / inches)	9 x 24 x 20.2
UPS Shipping dimensions (height x width x depth / cm)	22.9 x 61 x 51.4
Shipping weight (lbs)	53
Shipping weight (kg)	24.1
UPS housing material	Steel
Cooling method	Fan
<b>ENVIRONMENTAL</b>	

<b>Operating Temperature Range</b>	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
<b>Storage Temperature Range</b>	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
<b>Relative Humidity</b>	0 to 95%, non-condensing
<b>AC mode BTU / hr. (full load)</b>	105.2
<b>Battery mode BTU / hr. (full load)</b>	600
<b>COMMUNICATIONS</b>	
<b>Communications interface</b>	USB; DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface
<b>Network monitoring port description</b>	Supports detailed monitoring of UPS and site power conditions
<b>PowerAlert software</b>	Included
<b>Communications cable</b>	USB and DB9 cabling included
<b>WatchDog compatibility</b>	Supports Watchdog application, OS and hard-reboot restart options for remote applications
<b>LINE / BATTERY TRANSFER</b>	
<b>Transfer time</b>	2-4 milliseconds
<b>Low voltage transfer to battery power (setpoint)</b>	83
<b>High voltage transfer to battery power (setpoint)</b>	147
<b>SPECIAL FEATURES</b>	
<b>Grounding lug</b>	Back panel grounding lug
<b>Cold Start (startup in battery mode during a power failure)</b>	Cold-start operation supported
<b>High availability UPS features</b>	Hot swappable batteries
<b>Green &amp; high efficiency UPS features</b>	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks
<b>CERTIFICATIONS</b>	
<b>UPS Certifications</b>	Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category B (EMI); ROHS (Reduction of Hazardous Substances)
<b>WARRANTY</b>	
<b>Product Warranty Period (U.S., Canada &amp; Puerto Rico)</b>	2 years
<b>Connected Equipment Insurance (U.S., Canada &amp; Puerto Rico)</b>	\$250,000 connected equipment insurance

## Related Items

### Optional Products

Product Type	Related Model	Description	Qty.
SNMP Accessories	<a href="#">SNMPWEBCARD</a>	For remote monitoring and control via SNMP, Web, or Telnet.	-
SNMP Accessories	<a href="#">ENVIROSENSE</a>	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	-
UPS Accessories	<a href="#">MODBUSCARD</a>	For remote monitoring and control via MODBUS protocol	-
Software	<a href="#">WATCHDOGSW</a>	WatchDog Service Monitoring / Reboot Software	-
Rackmount/Wallmount Kits	<a href="#">2POSTRMKITWM</a>	Enables 2-Post Rackmount or Wallmount Installation of Select Rackmount UPS Systems	-
Tower Stands	<a href="#">2-9USTAND</a>	Enables Tower Placement of Rackmount UPS Systems	-
Extended Warranties	<a href="#">WEXT3-500-1500</a>	3-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	-
Extended Warranties	<a href="#">WEXT5-500-1500</a>	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	-
Replacement Batteries	<a href="#">RBC93-2U</a>	2U UPS Replacement Battery Cartridge for select Tripp Lite SmartPro UPS	-
Power Distribution	<a href="#">PDUB15</a>	Dual source Power Distribution Unit / PDU with Manual Transfer Switch enables Hot-swappable UPS Replacement in Critical Network Applications	-
Power Distribution	<a href="#">PDU1215</a>	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	-
Power Distribution	<a href="#">PDUNV</a>	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	-
Power Distribution	<a href="#">PDUV15</a>	Safe, reliable power distribution for critical networking equipment	-
Power Distribution	<a href="#">PDUMH15AT</a>	Metered PDU with ATS - Power Distribution Unit with dual-input Auto Transfer Switching	-
Power Distribution	<a href="#">PDUMH15</a>	Metered PDU / Power Distribution Unit - Safe, reliable power distribution with digital current meter	-
Power Distribution	<a href="#">PDUMV15</a>	Metered PDU / Power Distribution Unit - Safe, reliable power distribution with digital current meter	-
Power Distribution	<a href="#">PDUMNH15</a>	Monitored PDU / Power Distribution Unit supports real-time remote monitoring of load level, voltage and frequency with options for remote environmental and security monitoring	-
Power Distribution	<a href="#">PDUMNV15</a>	Monitored PDU / Power Distribution Unit supports real-time remote monitoring of load level, voltage and frequency with options for remote environmental and security monitoring	-
Power Distribution	<a href="#">PDUMH15ATNET</a>	Switched, Metered PDU with ATS - Power Distribution Unit with dual-input Auto Transfer Switching, individual outlet control and remote network interface	-
Power Distribution	<a href="#">PDUMV15NET</a>	Switched, Metered PDU with Remote Monitoring - 0U Vertical Rackmount Power Distribution Unit for Networks with Individually Switchable Outlets, Current Metering, Remote Monitoring and Control	-
Power Cables	<a href="#">P007-002</a>	2-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to NEMA 5-15P)	-
Power Cables	<a href="#">P007-006</a>	6-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to NEMA 5-15P)	-
Power Cables	<a href="#">P007-010</a>	10-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to NEMA 5-15P)	-
Power Cables	<a href="#">P010-012</a>	12-ft. 18AWG Power cord (NEMA 5-15P to IEC-320-C13)	-
Power Cables	<a href="#">P022-001</a>	1-ft. 18AWG Power Extension cord (NEMA 5-15R to NEMA 5-15P)	-

Power Cables	<a href="#">P023-001</a>	1-ft. 14AWG Power Adapter cord (NEMA L5-15R to NEMA 5-15P)	-
Power Cables	<a href="#">P034-010</a>	10-ft. 14AWG Heavy Duty Power cord ( IEC-320-C19 to NEMA 5-15P)	-

More information, including related products, owner's manuals, and additional technical specifications, can be found online at [www.tripplite.com/en/products/model.cfm?txtModelID=2658](http://www.tripplite.com/en/products/model.cfm?txtModelID=2658).

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